

**Notice of Allowability**

Application No.

10/080,870

Examiner

Iraj A Mohandes

Applicant(s)

GODKIN, MIKHAIL

Art Unit

2834



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/04/2004.
2. ☒ The allowed claim(s) is/are 1-7.
3. ☒ The drawings filed on 14 October 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

### **DETAILED ACTION**

1. Claims 1,4 and 5 have been amended, a new dependent claim 7 has been added. The new added claim is supported by specification.
2. The rejection under 35 U.S.C. 112, second paragraph has been withdrawn.

### ***Allowable Subject Matter***

3. Claims 1-7 are allowed

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art of the record in particular Miyazaki EP 701314 does not teach or suggest a supporting structure for a voice actuator comprising a first magnet having and a second magnet including, inter alia a first soft magnetic pole piece having a length greater than the length of the first magnet and the length of the second magnet, and wherein the lengths of the first and second magnets and the first soft magnetic pole piece are selected to provide a force versus stroke characteristic in which a force is provided which is greater at one end of a stroke of the voice coil actuator and decreases to a lowest level at an other end of the stroke.

Regarding claim 5, the prior art of the record in particular Miyazaki EP 701314 does not teach or suggest a supporting structure for a voice actuator comprising a first magnet having and a second magnet including, inter alia a first soft magnetic pole piece having a length greater than the length of the first magnet and the length of the second magnet, wherein the first and second magnets are magnetized in opposite directions, and the first soft magnetic pole piece has a length greater than two times a length of the first magnet or and a length of the second magnet along the common axis; a coil having

Art Unit: 2834

a length less than the length of the first soft magnetic pole piece, and less than the length of the first or the second magnets, and positioned for travel along the common axis; and a shell of magnetically permeable material positioned about the first and second magnets and the first soft magnetic pole piece, coupled to the free ends of the first and second magnets, and having two longitudinal slots through which a coil assembly is linked to the load.

Regarding claim , the prior art of the record in particular Miyazaki EP 701314 does not teach or suggest a supporting structure for a voice actuator comprising a first magnet having and a second magnet including ,inter alia a first soft magnetic pole piece having a length greater than the length of the first magnet and the length of the second magnet a second soft magnetic pole piece positioned at a free end of the first magnet, wherein the shell is positioned about the first and second magnets and the first and second magnetic pole pieces to provide an open end at the second magnetic pole piece and to be in contact with the second magnet.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

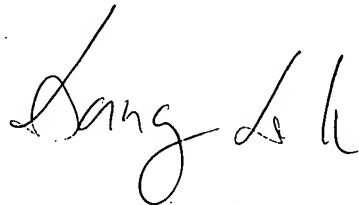
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iraj A Mohandesi whose telephone number is 571-272-2028. The examiner can normally be reached on M-F.

Art Unit: 2834

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IM October 21, 2004

A handwritten signature in black ink, appearing to read "Dangle", is written over a horizontal line.

**DANGLE**  
**PRIMARY EXAMINER**